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The aluminum monostearate is combined with the sesame oil and heated to 125 ºC with stirring until a clear yellow solution forms. This mixture is then autoclaved for sterility and allowed to cool. The GH-RH antagonist Peptide 80 is then added aseptically with trituration. Particularly preferred antagonists are salts of low solubility, e.g., pamoate salts and the like. These exhibit long duration of activity.

EXAMPLE XI

Long Acting Intramuscular (IM) Injectable-Biodegradable Polymer Microcapsules

Microcapsules are made from the following:

25/75 glycolide/lactide copolymer (0.5 intrinsic viscosity)		99%
$[CH_3(CH_2)_6CO$ -Tyr^1, D-Arg^2, Phe(pCl)^6, Ala^8, His^9, Tyr(Et)^{10}, His^{11}, Orn^{12}, Abu^{15}, His^{20}, Orn^{21}, Nle^{27}, D-Arg^{28}, Har^{29}]hGH-RH(1-29)NH_2	(Peptide 96)	1%

25 mg of the above microcapsules are suspended in 1.0 mL of the following vehicle:

Dextrose	5.0%
CMC, sodium	0.5%
Benzyl alcohol	0.9%
Tween 80	0.1%
Water, purified q.s.	ad 100%

EXAMPLE XII

Biological Activity in Endocrine and Oncological Assays

The peptides of the present invention were tested in assays in vitro and in vivo for their ability to inhibit the hGH-RH(1-29)NH_2 induced GH release. Binding affinities of the compounds to the tumoral GH-RH receptors were also measured. The antitumor activities of the peptides and their inhibitory effects on serum IGF-I and on the tumoral IGF system were evaluated in various cancer models in vivo.

Superfused Rat Pituitary System

The analogs were tested in vitro in a test described earlier (S. Vigh and A.V. Schally, Peptides 5:241-347, 1984) with modification (Z. Rekasi and A.V. Schally, P.N.A.S. 90:2146-2149, 1993).

Briefly, the cells are preincubated with peptides for 9 minutes (3mL) at various concentrations. Immediately after the incubation, 1 nM hGH-RH(1-29)NH_2 is administered for 3 minutes (1mL) [0 minute response]. To check the duration of the antagonistic effect of the analogue, 1 nM hGH-RH(1-29)NH_2 is applied 30, 60, 90, and 120 minutes later for 3 minutes [30, 60, 90, 120 min responses]. Net integral values of the GH responses are evaluated. GH responses are compared to and expressed as percent of the original GH response induced by 1